

CLAIMS

1. A packaging bag that includes at least one gusset (24, 28) folded back against a face of the bag body (10) and held in this position by a detachable connecting element (30, 32), characterised by the fact that it also includes an element (50) designed to provide for re-closeable opening and which extends across the fold line (22) of the gusset and covers the full width of the gusset (24, 28) and at least a substantial part of the bag body.

10 2. A bag according to claim 1, characterised by the fact that the element (50) designed to provide for re-closeable opening covers the whole body (10) of bag.

15 3. A bag according to one of claims 1 or 2, characterised by the fact that it includes two gussets (24, 28) folded against diametrically opposite faces of the bag body and held in this position by detachable connecting elements respective (24, 28).

20 4. A bag according to one of claims 1 to 3, characterised by the fact that it includes resources that prevent the closure element (50) which is suitable for multiple openings and closures from being subjected to force by the contents of the bag when the said at least one gusset (24, 28) is held folded back by the detachable connecting element.

25 5. A bag according to one of claims 1 to 4, characterised by the fact that the element (50) designed to make possible re-closeable opening, includes a closure element which is suitable for multiple openings and closures.

30 6. A bag according to one of claims 1 to 5, characterised by the fact that a detachable connecting element (30, 32) includes at least one self-adhesive strip.

7. A bag according to one of claims 1 to 5, characterised by the fact that a detachable connecting element (30, 32) includes complementary elements of the "velcro" type.

8. A bag according to one of claims 1 to 5, 5 characterised by the fact that a detachable connecting element (30, 32) includes two extrusions that have complementary elements of the male/female hooked type.

9. A bag according to claim 8, characterised by the fact that a detachable connecting element (30, 32) is operated 10 by a slide

10. A bag according to one of claims 1 to 9, characterised by the fact that the closure element (50) includes a self-stick element.

11. A bag according to one of claims 1 to 9, 15 characterised by the fact that the closure element (50) includes an element of the "velcro" type.

12. A bag according to one of claims 1 to 9, characterised by the fact that the closure element (50) includes two complementary extrusions of the male, female or 20 hooked type.

13. A bag according to claim 12, characterised by the fact that the closure element (50) is operated by a slide (60).

14. A bag according to one of claims 1 to 13, 25 characterised by the fact that the detachable connecting element (30) includes a strip located on the end of the gusset, parallel to the fold line (22) of the gusset and more or less over the full height (l_3) of the bag.

15. A bag according to one of claims 1 to 14, 30 characterised by the fact that the detachable connecting element includes a strip (32) parallel to the fold line (22)

of the gusset (24, 28), on the part (16) of the bag body receiving the end of the gusset (24, 28),

16. A bag according to one of claims 1 to 16, characterised by the fact that the detachable connecting 5 element includes two strips (30, 32) parallel to the fold line (22) of the gusset provided respectively on the end of the gusset (24, 28) and on the wall (16) of the bag body intended to receive this end.

17. A bag according to one of claims 1 to 16, 10 characterised by the fact that each gusset (24, 28) extends in a plane that is generally perpendicular to the direction of introduction of the contents into the bag.

18. A bag according to one of claims 1 to 16, characterised by the fact that each gusset (24, 28) extends in 15 a plane that is generally parallel to the direction of introduction of the contents into the bag, against a wall of the latter which surrounds the original aperture (12).

19. A bag according to one of claims 1 to 18, characterised by the fact that it includes two gussets (24, 20 28) folded against of the faces of the bag body that are diametrically opposite and located around the aperture of original.

20. A bag according to one of claims 1 to 19, characterised by the fact that each gusset (24, 28) covers 25 part of the face of the bag body against which it is folded back.

21. A process for the creation of packaging, characterised by the fact that it includes the stages that consist of fitting the gusset (24, 28) of a bag with an 30 element (50) designed to make possible re-closeable opening, which extends across the fold line (22) of the gusset and

covers the full width of the gusset and at least a substantial part of the bag body, and to fold back onto itself the gusset (24, 28) formed in the bag body and to hold the gusset (24, 28) in this position with a detachable connecting element (30, 5 32).

22. A machine for the manufacture of packaging, characterised by the fact that it includes resources capable of fitting the gusset (24, 28) of a bag, with an element (50) designed to make possible re-closeable opening which extends 10 across the fold line (22) of the gusset and covers all of the width of the gusset and at least a substantial part of the bag body, with the resources capable of folding back onto itself the gusset (24, 28) formed in bag body, and resources capable of generating a removable connection (30, 32) that can be used 15 to hold the gusset (24, 28) in this position.